

STATEMENT OF WORK

Naval Weapons Support Center (Crane)

Battery and Cell Testing, Characterization
and Evaluation Support

1. NWSC will provide manpower and facilities in FY-87 for cell/battery testing, data calculations, and reporting of test data as specified in this Statement of Work.

2. Primary Cell/Battery Testing Qualification Testing

Qualification lots of cells will be delivered either by the sponsor or through a representative. Upon receipt, the cells shall be placed in the inventory lot system. All cells shall be examined for outer defects, such as electrolyte leakage, corrosion, defective contacts, leads, and weld quality. Variations in these procedures will be authorized by the COTR in writing.

A qualification test plan will be provided by the sponsor. The test plan will specify test temperatures and drain rates. The specific test points will vary as a function of cell chemistry. A number of cells will be placed in long term discharge at controlled temperatures. Pre- and post-test weights and dimensions and other examinations may be required.

3. Secondary Cell/Battery Screening and Special Testing

NWSC shall screen secondary cells and perform testing on special cells and battery packs. No modules or test fixtures shall be built or modified without prior consent of the COTR. All construction and/or modification shall be requested by the COTR in writing.

4. Chemistry Laboratory

From time to time the NWSC will be requested to perform pre-mortems and post-mortems of cells. Analysis will be requested of cells that fail prematurely. Concurrent with post-mortems examination of undischarged cells and/or normal discharged cells from the same tests may be requested.

5. Reports

- a. Reporting shall consist of Transmittal (data), Monthly Progress, and Monthly Financial Reports. A final report shall only be required if the COTR requests it. The format will be specified at the time of the request.
- b. The Monthly Progress Report is a summary of the sponsor related activities at NWSC during the month. Include in the report: lists and short descriptions of reports submitted, tests in progress, cells received during the reporting period, and cells on monitored storage, all listed by cell chemistry.

6. Safety

NWSC shall maintain a safe and healthful facility as specified by Federal regulations and laws. All personnel shall be properly trained in safety measures appropriate to such a testing facility. Of particular importance is proper handling of lithium cells in all states of charge. Autopsies of all types of cells, including lithium, shall be conducted in a safe manner.

7. Proprietary Information

NWSC shall hold confidential, and shall not, without the sponsor's written permission, use, copy or disclose to any third party, the sponsor's or sponsor's manufacturers' test data, designs, drawings, specifications, manufacturing processes or methods, trade secrets or proprietary data which have been entrusted to NWSC in connection with work contemplated under this contract.

NWSC shall not, without permission of the sponsor, allow any unauthorized personnel to witness testing. Authorized personnel are those NWSC personnel required to perform testing.

7. DISPOSAL

NWSC shall establish and maintain procedures and methods to properly dispose of discharged cells.

8. Deliverable Items

- a. Two (2) copies of each Transmittal report (to COTR only).
- b. One (1) copy of the Monthly Status Report (to COTR only).
- c. Two (2) copies of the Monthly Expenditure Report (to COTR and CO).
- d. GFE to be determined by needs of NWSC.

9. Key Personnel

Program Manager

The Program Manager shall have over-all responsibility for the day-to-day management of the testing facility. The Program Manager shall be the primary contact between NWSC and the sponsor's representatives.

10. SECURITY

The classification levels associated with this work are:

Association	:	CONFIDENTIAL
Reports	:	UNCLASSIFIED
Work	:	UNCLASSIFIED
Hardware	:	UNCLASSIFIED